



Terms used: **hardware generated cursor hardware**

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### 1 [Hardware algorithms for nonnumeric computation](#)



Amar Mukhopadhyay

April 1978 **Proceedings of the 5th annual symposium on Computer architecture ISCA '78**

Publisher: ACM Press

Full text available:  pdf(992.52 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper is concerned with the design of hardware algorithms for nonnumeric computation. The subset of nonnumeric operations considered is derived from string processing languages such as SNOBOL or high-level data base languages used in data base management architectures. It is shown that cellular hardware can be designed to perform these operations on-line while the data is accessed from a rotating secondary storage medium. Being uniformly structured, the hardware could be implemented us ...

### 2 [The VolumePro real-time ray-casting system](#)



Hanspeter Pfister, Jan Hardenbergh, Jim Knittel, Hugh Lauer, Larry Seiler

July 1999 **Proceedings of the 26th annual conference on Computer graphics and interactive techniques SIGGRAPH '99**

Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available:  pdf(2.11 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** graphics hardware, hardware systems, rendering hardware, rendering systems, volume rendering

### 3 [An interactive graphical display monitor in a batch-processing environment with remote entry](#)



Alan H. Bond, Jerry Rightnour, L. Steven Coles

November 1969 **Communications of the ACM**, Volume 12 Issue 11

Publisher: ACM Press

Full text available:  pdf(1.38 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A graphic monitor program is described. It was developed at Carnegie-Mellon University for the CDC G21 computer, which is a general purpose, batch-processing system with remote entry. The existing G21 system and the graphics hardware are described. The graphic monitor is a resident auxiliary monitor which provides comprehensive managerial capability over the graphical system in response to commands from the human user. It also will respond to commands from a user program through a similar i ...

**Keywords:** design of graphical system, graphic interface, graphic monitor, graphics, graphics in batch environment, man/machine interaction

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S62	2	("6157415").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 08:31
S64	2	("6081254").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 08:32
S63	2	("6088038").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 08:32
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S66	2	("6034667").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 09:55
S67	2	("6028583").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 10:00
S68	2	("5982443").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 10:02

## EAST Search History

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S71	2	("5537157").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 10:05
S74	2	("5307156").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 10:08
S73	2	("5475442").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 10:08
S72	2	("5790096").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/06 10:08
S1	0	graphic and compression and culling and triangle and scanline and raster\$6 and horizontal and vertical	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:22

## EAST Search History

S76	141	S75 and @ad <= "20000113"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:24
S75	307	(video or dynamic) same (data or image or frame) same (composit\$3 or layer or graphic) same (cursor adj4 image)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:24
S22	28	S21 and @ad <= "20000113"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:24
S78	0	S76 and (alpha same blend\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:25
S77	18	S75 and @prad <= "20000113"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:25
S81	0	S75 and blend\$4 and (image near layer) and pipeline and alpha	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:26
S80	0	S75 and blend\$4 and (image near layer) and pipeline and alpha	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:26
S79	0	S76 and blend\$4 and (image near layer) and pipeline and alpha	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:26

## EAST Search History

S12	48	blend\$4 and (image near layer) and pipeline and alpha	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/06 11:26
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